

The logo for VDO dayton is displayed in a stylized, rounded rectangular frame. The word "VDO" is in a bold, sans-serif font, followed by a circular emblem containing a lowercase "d" with a small star above it, and the word "ayton" in a lowercase, italicized sans-serif font.

**VDO d<sup>\*</sup>ayton**

# RV 5100

Mounting instruction  
Manuel d'installation  
Einbauanleitung  
Inbouwhandleiding  
Istruzioni d'installazione  
Instrucciones de montaje  
Monteringsanvisning

English

Français

Deutsch

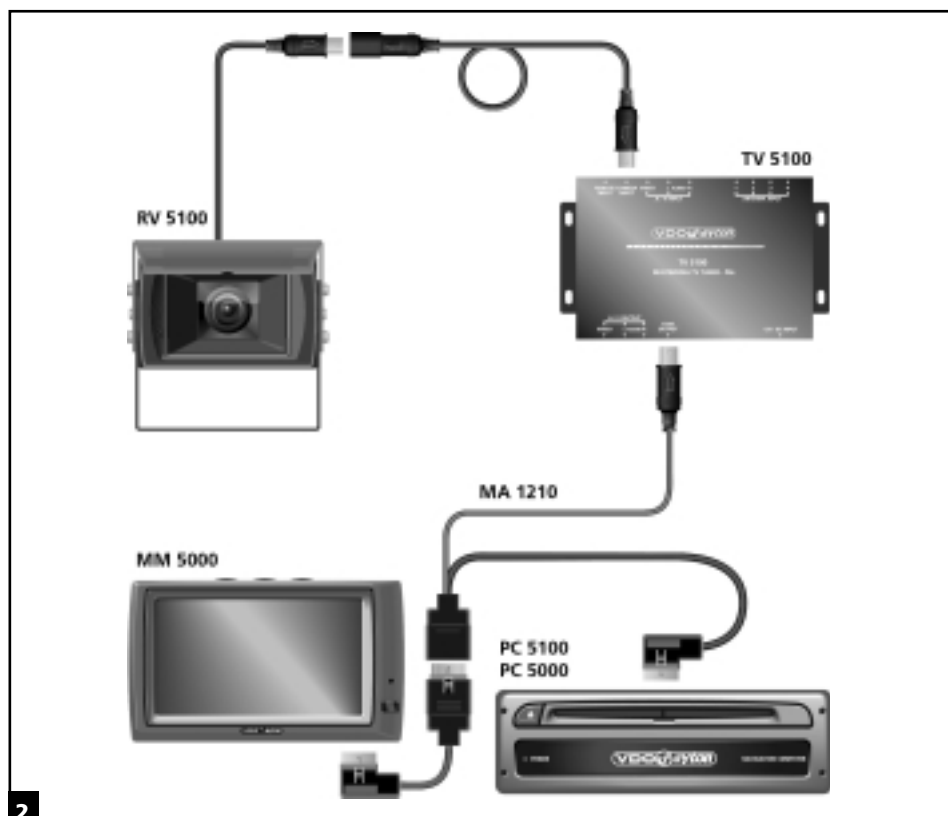
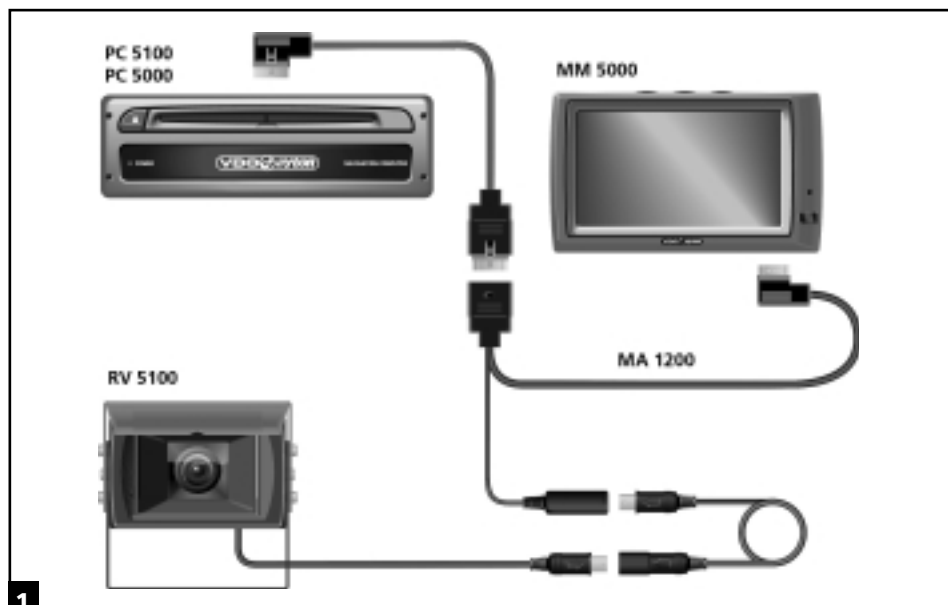
Nederlands

Italiano

Español

Svenska

Dansk



PC 5100  
PC 5000



MI 5000



MM 5000

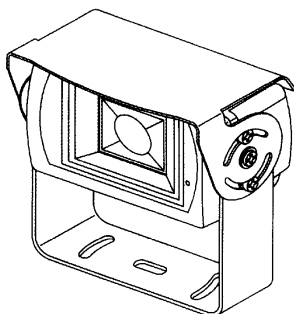


RV 5100



## General

The RV 5100 is a black& white CCD backing up camera designed for use with VDO and VDO Dayton Multimedia Systems.



### Features:

- no extra supply voltage needed (12 V power supply by Multimedia System)
- automatic switch-on when you shift to the reverse gear (if signal is connected).
- high resolution CCD Image Sensor
- automatic aperture control for optimum adaption to lighting conditions
- aperture angle: 130° diagonal
- waterproof die-cast camera housing
- high operating temperature range

## Safety precautions

### ATTENTION:

**⚠ Installation may only be carried out by trained specialists! Observe all quality standards of the automobile industry!**

**⚠ Fire hazard! When drilling pay attention to the location of cable harnesses, tank and fuel pipes! Never drill into car parts which are load-bearing or are important for safety reasons!**

**⚠ Consult with your authorized car dealer if installation requires the drilling of holes or other modifications of the vehicle.**

**⚠ Refer to the owner's manual for details on connecting the other units, then make connections correctly.**

**⚠ Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.**

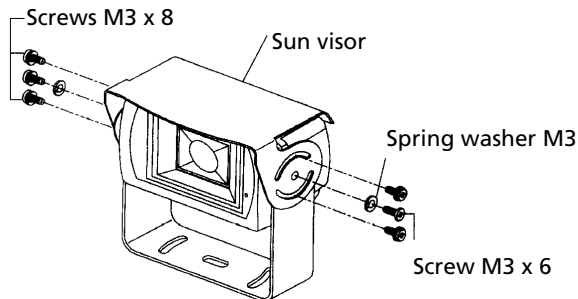
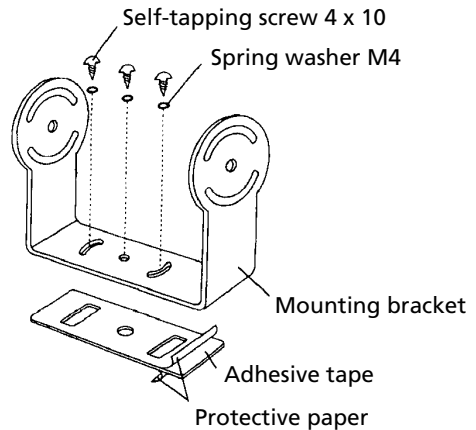
**⚠ Route and secure all wiring so it cannot touch any moving parts, such as the gear shift, handbrake and seat rails. Do not route wiring in places that get hot, such as near the heater outlet.**

## Scope of delivery

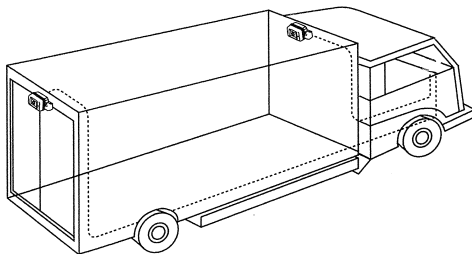
- 1 Mounting instructions
- 1 Camera with cable (1.15 m) and rubber gasket
- 1 Extension cable 18 m
- 1 Mounting bracket (stainless steel)
- 1 Sun visor (stainless steel)
- 1 Strip self-adhesive rubber seal
- 3 Self-tapping screws 4 x 10
- 3 Spring washers M4
- 3 Washers M4
- 2 Screws M3 x 6
- 2 Spring washers M3
- 4 Screws M3 x 8 with spring and washer

## Mounting

1. Mount the supplied mounting bracket to the vehicle with self-tapping screws 4 x 10 and spring washers and washers M4 (for example on the plastic bumper).
2. Use self-adhesive rubber seal to protect vehicle body from scratches, if necessary.
3. If no sufficient hole for the camera cable is available, drill a hole with a diameter of 19 mm into the vehicle body. Deburr all holes and apply suitable rust protection.
4. Pass camera cable through into the vehicle using the rubber gasket. Do not bend cable around sharp edges.
5. Mount the camera and the sun visor to the bracket using the 6 supplied screws. Do not yet tighten screws.



6. Connect camera cable as described in section "Connecting the camera" on the next page. If required, use the supplied extension cable.



## Connecting the camera

The camera can be connected to your Multimedia System in different ways:

### 1. Direct connection to the Navigation Computer, ill. 1

For direct connection of the camera to the navigation computer the adaptor cable MA 1200 (accessory) is required.

- ☞ Connect the Mini DIN plug of the camera to the Mini DIN socket of the MA 1200.
- ☞ Activate the "Rear view camera connected" option in the "System Settings → Video configuration" menu of the navigation computer.

### 2. In combination with TV Tuner TV 5100, ill. 2

- ☞ Connect the Mini DIN plug of the camera to the camera input of the TV 5100.
- ☞ Connect the yellow lead of the TV 5100 to the reversing signal of the vehicle to ensure automatic switch over to the camera when backing up.

### 3. In combination with Multimedia Interface Box MI 5000, ill. 3

- ☞ Connect the Mini DIN plug of the camera to the camera input of the MI 5000.
- ☞ Activate the "Multimedia box connected" option in the "System Settings → Video configuration" menu of the navigation computer.

### 4. In combination with TV Tuner TV 5100 and MI Box MI 5000, ill. 3

- ☞ Connect the Mini DIN plug of the camera to the camera input of the MI 5000.
- ☞ Activate the "Multimedia box connected" option in the "System Settings → Video configuration" menu of the navigation computer.

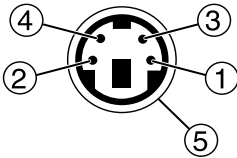
## Checking function and adjusting the camera

1. Switch on ignition.
2. Apply handbrake and select reverse gear.  
The picture of the backing up camera has to be shown on the display.
3. Adjust the camera to the desired viewing angle and tighten all screws.
4. Select any forward gear.  
The picture of the backing up camera now has to disappear from the display.

## Specifications

Picture system: ..... 1/3 inch CCD sensor  
Resolution: ..... 270,000 pixel (CCIR)  
Horizontal resolution: ..... 380 TV lines  
Synchronisation: ..... 50 Hz internal  
Lens: ..... 3.0 mm / F = 2.0  
Sensitiveness: ..... 0,1 Lux min.  
Supply voltage: ..... + 12 V / DC  
Power consumption: ..... 1.5 W  
Operating temperature range: ..... - 10° Celsius to + 60° Celsius  
Dimensions: ..... 70 mm x 57 mm x 44 mm (W x D x H)  
Weight: ..... 300 g

## Connection details



PIN No.	Description
1	+ 12 V DC power supply
2	Video output signal
3	NC
4	NC
5	Ground

## Troubleshooting

If you discover any malfunction of the camera after installation, please check all connections and installation steps according to the mounting instructions.

If you can't solve the problem, please contact our Customer Help Desk:

**GB** 0121 344 5400

**AUS** (03) 94503166  
e-mail: [audionav@vdo.com.au](mailto:audionav@vdo.com.au)

Subject to technical modifications and errors.

